

Storm Data and Unusual Weather Phenomena - July 2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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ILLINOIS, Northwest

ROCK ISLAND COUNTY --- 12.5 WSW ILLINOIS CITY [41.31, -91.11], 10.4 W ILLINOIS CITY [41.40, -91.10], 3.6 NNW EAST MOLINE [41.57, -90.49], 1.6 NNW JOSLIN [41.57, -90.23]

	07/01/13 00:00 CST	0		Flood (due to Heavy Rain)
	07/02/13 00:00 CST	0		Source: River/Stream Gage

The Mississippi River at Rock Island rose to its major flood stage level at 1 am CDT July 1, remaining at that level until 1 am CDT July 2.

The Mississippi River at Muscatine rose to its major flood stage level at 1 pm CDT July 1, remaining at that level until 7 pm CDT July 1.

Heavy rains at the end of June caused the Mississippi River at Rock Island and Muscatine to reach their respective Major Flood Stage levels on July 1. The river level at both locations fell below their Major Flood Stages during the evening of July 1 and early morning of July 2.

JO DAVIESS COUNTY --- 0.7 N NORA [42.46, -89.93]

	07/22/13 20:27 CST	0		Hail (0.75 in)
	07/22/13 20:27 CST	0		Source: Trained Spotter

ROCK ISLAND COUNTY --- 0.9 NNE ROCK IS [41.51, -90.57]

	07/22/13 20:42 CST	0		Hail (0.88 in)
	07/22/13 20:42 CST	0		Source: Trained Spotter

ROCK ISLAND COUNTY --- 1.7 ESE MOLINE [41.49, -90.49]

	07/22/13 20:48 CST	0		Hail (0.75 in)
	07/22/13 20:48 CST	0		Source: Trained Spotter

MERCER COUNTY --- 1.5 SSE JOY [41.18, -90.87]

	07/22/13 20:49 CST	0		Hail (0.75 in)
	07/22/13 20:49 CST	0		Source: Trained Spotter

STEPHENSON COUNTY --- 0.9 NW FREEPORT [42.29, -89.63]

	07/22/13 20:55 CST	0		Hail (0.75 in)
	07/22/13 20:55 CST	0		Source: Broadcast Media

Non-severe hail up to the size of a nickel fell in Mercer, Rock Island, Stephenson, and Jo Daviess counties during the evening of July 22.

IOWA, East Central and Southeast

MUSCATINE COUNTY --- 5.2 NE ARDON [41.46, -91.14], 19.9 ENE MONTPELIER [41.57, -90.46], 29.5 ENE MONTPELIER [41.57, -90.27], 4.6 S FRUITLAND [41.28, -91.14]

	07/01/13 00:00 CST	0		Flood (due to Heavy Rain)
	07/02/13 00:00 CST	0		Source: River/Stream Gage

The Mississippi River at Rock Island rose to its major flood stage level at 1 am CDT July 1, remaining at that level until 1 am CDT July 2.

The Mississippi River at Muscatine rose to its major flood stage level at 1 pm CDT July 1, remaining at that level until 7 pm CDT July 1.

SCOTT COUNTY --- 19.6 WSW BLUE GRASS [41.46, -91.14], 1.5 NNE PANORAMA PARK [41.57, -90.46], 2.2 SSE LE CLAIRE [41.57, -90.27], 24.2 WSW BUFFALO [41.28, -91.14]

	07/01/13 00:00 CST	0		Flood (due to Heavy Rain)
	07/02/13 00:00 CST	0		Source: River/Stream Gage

The Mississippi River at Rock Island rose to its major flood stage level at 1 am CDT July 1, remaining at that level until 1 am CDT July 2.

The Mississippi River at Muscatine rose to its major flood stage level at 1 pm CDT July 1, remaining at that level until 7 pm CDT July 1.

Heavy rains at the end of June caused the Mississippi River at Rock Island and Muscatine to reach their respective Major Flood Stage

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levels on July 1. The river level at both locations fell below their Major Flood Stages during the evening of July 1 and early morning of July 2.

DELAWARE COUNTY --- 2.5 NE BACKBONE STATE PARK [42.64, -91.51], 3.8 ENE COLESBURG [42.65, -91.13], 5.7 SE PETERSBURG [42.50, -91.13], 5.8 SE PETERSBURG [42.49, -91.14], 3.0 W ONEIDA [42.53, -91.41]

07/08/13 20:00 CST			50K	Flash Flood (due to Heavy Rain)
07/09/13 01:30 CST			0	Source: Emergency Manager

Heavy rains of 3 to 5 inches fell across parts of northeast Delaware County during the evening of July 8 resulting in some flash flooding. Some roads were washed out.

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JOHNSON COUNTY --- 1.5 SSE IOWA CITY MUNI ARPT [41.61, -91.54]

07/19/13 17:00 CST			0	Hail (0.88 in)
07/19/13 17:00 CST			0	Source: Trained Spotter

JOHNSON COUNTY --- 1.6 ENE HILLS [41.56, -91.52]

07/19/13 17:30 CST			1K	Thunderstorm Wind (EG 52 kt)
07/19/13 17:30 CST			0	Source: Public

Wind gusts estimated to be 60 mph blew down some two inch diameter tree limbs, ripped off camper awnings, and broke off a radio antenna at the Hills Access Camp Ground about a half mile east of Hills, IA around 630 pm CDT July 19.

KEOKUK COUNTY --- 0.7 E TALLEYRAND [41.30, -91.97]

07/19/13 17:55 CST			0	Hail (0.75 in)
07/19/13 17:55 CST			0	Source: Law Enforcement

CEDAR COUNTY --- 1.8 SW SUNBURY [41.66, -90.96]

07/19/13 18:00 CST			0	Thunderstorm Wind (EG 52 kt)
07/19/13 18:00 CST			0	Source: Public

Wind gusts estimated to be 60 mph blew down some tree limbs along 300th Street and Vermont Avenue near Sunbury, IA around 700 pm CDT July 19.

SCOTT COUNTY --- 2.1 S PLAINVIEW [41.64, -90.80]

07/19/13 18:15 CST			0	Thunderstorm Wind (EG 52 kt)
07/19/13 18:15 CST			0	Source: Public

Wind gusts estimated to be 60 mph blew down some large tree limbs about 2 miles south southwest of Plainview, IA around 715 pm CDT July 19.

SCOTT COUNTY --- 2.1 S PLAINVIEW [41.64, -90.80]

07/19/13 18:15 CST			0	Thunderstorm Wind (EG 52 kt)
07/19/13 18:15 CST			0	Source: Public

Wind gusts estimated to be 60 mph were observed 2 miles south southwest of Plainview, IA around 715 pm CDT July 19.

CEDAR COUNTY --- 3.3 SE CENTERDALE [41.62, -91.25]

07/19/13 18:20 CST			0	Hail (1.00 in)
07/19/13 18:20 CST			0	Source: Public

Quarter sized hail fell about 3 miles north northeast of West Liberty, IA around 720pm CDT July 19.

CEDAR COUNTY --- 3.0 SSW ROCHESTER [41.63, -91.19]

07/19/13 18:30 CST			0	Hail (0.88 in)
07/19/13 18:30 CST			0	Source: Public

CEDAR COUNTY --- 1.5 SSE ROCHESTER [41.65, -91.16]

07/19/13 18:34 CST			0	Hail (0.88 in)
07/19/13 18:34 CST			0	Source: Public

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SCOTT COUNTY --- 1.7 NNW DAVENPORT ARPT [41.64, -90.59]				
	07/19/13 18:40 CST		0	Thunderstorm Wind (EG 52 kt)
	07/19/13 18:40 CST		0	Source: NWS Employee
Wind gusts estimated to be 60 mph were observed on the south side of Eldridge, IA around 740 pm CDT July 19.				
CEDAR COUNTY --- 1.6 W SUNBURY [41.67, -90.96]				
	07/19/13 18:51 CST		10K	Thunderstorm Wind (EG 61 kt)
	07/19/13 18:51 CST		0	Source: Public
Wind gusts estimated to be 70 mph blew down some large tree limbs and ripped off a barn roof about 5 miles south of Bennett, IA around 751 pm CDT July 19.				
After a hot and humid day with highs in the upper 80s to upper 90s, a cold front pushed through eastern Iowa during the evening of July 19th sparking a few widely scattered thunderstorms. One storm was severe as it tracked across Johnson, Cedar, and Scott counties producing mainly wind damage.				
BUCHANAN COUNTY --- 1.4 W INDEPENDENCE [42.47, -91.91]				
	07/22/13 17:58 CST		0	Thunderstorm Wind (MG 63 kt)
	07/22/13 17:58 CST		0	Source: Trained Spotter
A 72 mph wind gust was measured on the west side of Independence, IA at 658 pm CDT July 22.				
BUCHANAN COUNTY --- 1.0 W INDEPENDENCE [42.47, -91.90]				
	07/22/13 18:00 CST		0	Thunderstorm Wind (EG 61 kt)
	07/22/13 18:00 CST		0	Source: Trained Spotter
Wind gusts were estimated to be 60 to 70 mph about 1 mile west northwest of Independence, IA at 700 pm CDT July 22.				
BUCHANAN COUNTY --- WINTHROP [42.47, -91.73]				
	07/22/13 18:05 CST		0	Thunderstorm Wind (EG 52 kt)
	07/22/13 18:05 CST		0	Source: Public
Wind gusts were estimated to be 60 mph in Winthrop, IA at 705 pm CDT July 22.				
LINN COUNTY --- 2.3 SSW CEDAR RAPIDS [41.97, -91.67]				
	07/22/13 18:30 CST		0	Thunderstorm Wind (EG 52 kt)
	07/22/13 18:30 CST		0	Source: Trained Spotter
Wind gusts estimated to be 60 mph blew down some tree limbs across a driveway in Cedar Rapids, IA at 730 pm CDT July 22.				
LINN COUNTY --- 1.7 SW PRAIRIEBURG [42.21, -91.44]				
	07/22/13 18:45 CST		0	Thunderstorm Wind (EG 52 kt)
	07/22/13 18:45 CST		0	Source: Trained Spotter
Wind gusts estimated to be 60 mph were observed about 2 miles south southwest of Prairieburg, IA around 745 pm CDT July 22. Some small branches were blown down.				
JONES COUNTY --- 0.7 S ANAMOSA [42.11, -91.28]				
	07/22/13 19:00 CST		0	Thunderstorm Wind (EG 61 kt)
	07/22/13 19:00 CST		0	Source: Emergency Manager
Wind gusts estimated to be 70 mph blew down a tree in Anamosa, IA around 800 pm CDT July 22.				
CEDAR COUNTY --- 0.9 NW CLARENCE [41.89, -91.06]				
	07/22/13 19:20 CST		0	Thunderstorm Wind (EG 65 kt)
	07/22/13 19:20 CST		0	Source: Law Enforcement
Wind gusts estimated to be 75 mph blew down numerous trees and limbs in Clarence, IA around 820 pm CDT July 22.				
JACKSON COUNTY --- 0.5 E MAQUOKETA [42.07, -90.67]				

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	07/22/13 19:40 CST		5K	Thunderstorm Wind (EG 65 kt)
	07/22/13 19:40 CST		0	Source: Public

Wind gusts estimated to be 75 mph blew down several large trees and a large billboard sign in Maquoketa, IA around 840 pm CDT July 22. Some trees fell onto power lines. This report was made on a media Facebook page.

MUSCATINE COUNTY --- 0.9 NW MUSCATINE [41.43, -91.06]

07/22/13 20:38 CST	0	Hail (0.75 in)
07/22/13 20:38 CST	0	Source: Trained Spotter

A cold front swept across eastern Iowa and northwest Illinois during the evening of July 22nd triggering some showers and thunderstorms. Some of the storms were severe producing damaging winds of 60-75 mph.